



Asset Identification Solutions

Biohesive[®] 225 & Primer

Installation Guidance

AQUASIGN

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Revision
2

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Planning

Work Area

It is necessary to plan the fixing of Aquasign® subsea markers to ensure their compatibility with other stages work, e.g. painting.

Ensure access can be gained to the installation area and that the required surface preparation can be performed properly. A flat work surface is essential to the adhesive application process, therefore AQUASIGN recommend a table / work station.

Ensure the installation is adequately sheltered to provide keep the surface dry and protection from direct sunlight. If working indoors, ensure area is well ventilated. In the event of insufficient ventilation the use of respiratory equipment is recommended.

Ensure risk of damage to Aquasign® markers from other fabrication yard activities is minimised.

Ensure there is suitable air supply (30-40psi) for the air fed application guns and that there is sufficient feed to reach the application area.

Adhesive

Always check the expiry date, on the cartridge prior to application. Biohesive® has a maximum shelf life of 24 months. Do not use if past the expiry date.

To increase the application window AQUASIGN recommend that all adhesive cartridges are stored in a temperature controlled area prior to installation. Ideal temperature ~ +2 - +10°C. On-site cartridges should be stored in cool boxes or buckets of water in order to keep the material cool.

Sufficient Biohesive® cartridges should be allocated prior to marker installation to ensure the applicator does not run out of material. AQUASIGN will provide these details on the Marker Installation Sheets.



Documentation

Marker Installation Sheets should be completed for each marker (see appendix 1). These sheets are used as part of the final QC process, recording environmental conditions and installation times.

Equipment

Biohesive

Biohesive®, a single component silicone adhesive, is supplied in 310ml cartridges. The picture below shows the recommended equipment that should be used during installation.

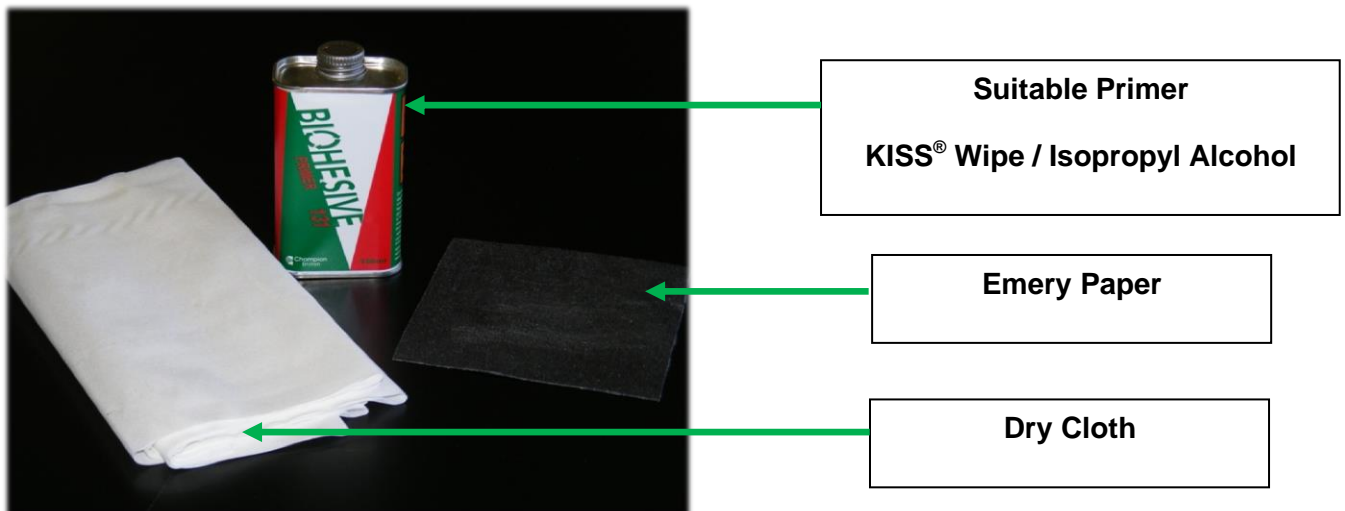


Optional Extra – Air Fed Application Guns.

The air fed method will help increase the application of adhesive to the back of the marker, whereas the manual guns would be used to apply the smooth outer bead.



Primer




Each installation team will require the minimum following items:

<p>Surface Preparation</p>	<p>Abrasive Implements, e.g. wire brush, emery paper</p> <p>Cleaning Solvent</p> <p>Temperature & Humidity Reader</p>
<p>Adhesive Application</p>	<p>Cartridge guns (air fed & manual)</p> <p>Adhesive Spreader</p> <p>Hard Face Roller</p> <p>Biohesive® 225 cartridges</p> <p>Stop watch</p>

Personal Protective Equipment

Please consult supporting Safety Data Sheet for further details.

<p>GOGGLES Wear suitable approved chemical safety goggles when eye exposure is reasonably probable</p> <p>GLOVES Wear suitable protective gloves if risk of skin contact</p> <p>PROTECTIVE CLOTHING Wear suitable protective clothing as a protection against splashing or contamination</p> <p>RESPIRATORY EQUIPMENT Only applicable in cases of inadequate ventilation</p>	
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Substrate Guide

Coated & Painted Steel

Check compatibility of Biohesive® with structure surface.

Abrade areas of structure where Aquasign® markers will be positioned with wire brush/emery paper.

Clean the substrate using a KISS Wipe / Isopropyl Alcohol – see attached supporting Installation Guide.

FOR MAXIMUM ADHESION AQUASIGN RECOMMEND USE OF THE PRIMER.

Company Contact Details

If you have any further questions regarding the installation of Aquasign® subsea markers please contact us direct either by telephone or email.

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